

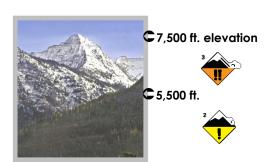
FOR THE GLACIER PARK AND FLATHEAD & KOOTENAI NATIONAL FOREST AREAS

Avalanche advisory does not apply to developed ski areas

Issue Date: Valid Until: Next Update: Issued by: **5:30 AM, Friday, March 16, 2012** Midnight, Friday, March 16, 2012 Tuesday, March 20, 2012 Stan Bones

This advisory is a product of the US Forest Service, US Dept. of Agriculture. Along with other snow and avalanche information, it is originally posted at http://www.fs.usda.gov/flathead. An audio summary is available via telephone at 406-257-8402

All Mountain Ranges



Avalanche Danger Summary

3 -Considerable : 5,500 to 7,500 ft. elevation, on steep, open slopes and gullies, especially in areas with significant amounts of new precipitation falling as snow or rain

Also unstable surface slabs poorly bonded to buried surface hoar or layers

And finally wet loose surface snow weakened by rain or warming temp's

2 - Mod: below 5,500

Avalanche Danger Trend

AVALANCHE - INSTABILITY

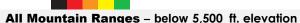
DESCRIPTION

OTrending gradually downward Sunday and Monday as drier, cooler conditions develop

All Mountain Ranges - 5,500 to 7,500 ft. elevation **Danger Level** 3 - CONSIDERABLE Confidence Good · Dangerous avalanche conditions **Travel Advice** · Careful snowpack evaluation, cautious route-finding, and conservative decisionmaking essential • Natural slab and loose snow avalanche possible Likelihood of Avalanches • Human triggered avalanches likely · Small avalanches in many areas · Larger avalanches in specific areas • Very large avalanches in isolated areas . Concern is steep slopes and gullies lacking vegetative and terrain anchors in areas that recently received significant new precipitation, either in the form of Avalanche Size & Distribution snow or rain Particularly slopes with a relatively thin snow cover and a basal layer of weakly bonded, eroding, faceted grains

of melt-freeze ice

AVALANCHE – INSTABILITY DESCRIPTION



Danger Level	2 - MODERATE			
Confidence	Good			
Travel Advice	 Heightened avalanche conditions on steep, open slopes and gullies, particularly those that recently were drenched with rain Evaluate snow and terrain carefully 			
Likelihood of Avalanches	 Natural avalanche unlikely Human triggered avalanches possible 			
Avalanche Size & Distribution	Small avalanches in specific areasLarger avalanches in isolated areas			

Because of the general nature of this advisory message, each backcountry party will always need to make their own time and site specific avalanche hazard evaluations. This advisory best describes conditions at the time of its issuance. As time passes avalanche and snow conditions may change, sometimes quite rapidly. Elevation and geographic distinctions used are approximate and transition zones between hazards exist.

Recent Mountain Weather		
<u>Summary</u>	Since Sunday a series of fast moving Pacific storm systems have passed over the region	
Precipitation	 Moist, heavy, snowfall or rain has impacted many mountain locations Most impacted are the Kootenai mtn. ranges, the Cabinets and Purcells Lesser in the North Whitefish Range and the northern mtns of Glacier Park Least precipitation in the Mission, Swan, and Flathead Ranges 	
Temperature	 Daily average temperatures have generally been mild, in the high 20's F Thursday's average daily temperature warmed into the mid 30's 	
Wind	 Moderate to strong winds generally from the W Wind transport of snow has been minimal however because of the wet nature of the new snowfall and existing snow surfaces 	

Field Observation Locations	
Wednesday, 3-14-12	 Red Mountain, Purcell Range, NE of Troy, on the Kootenai Snowslip Area, John Stevens Canyon, N of Highway 2 in Glacier Park, W of Marias Pass
Thursday, 3-15-12	Skyland Creek Area, S of Highway 2, W of Marias Pass on Flathead
Observer Report Locations	
	None Recieved

<u>Avalanches</u>	Numerous small to moderate sized wet loose slides released Thursday along the Middle Fork of the Flathead River, in John Stevens Canyon, and in the Skyland
<u>Observed</u>	Cr. Area W of Marias Pass

Instability Concern /	Level of	Most★★★ Less★★ Least ★
Avalanche Problem	Concern	
New Storm or Near Surface Snow	***	Significant precipitation loading began Sunday at many mountain locations Sunday into Thursday Cabinet & Purcell Ranges on the Kootenai Approx. 3 to 7-inches of new snow water equivalent Northern Whitefish& Northern Mtns of Glacier Park Approx. 2 to 4-inches of new snow water equivalent Mission, Swan, & Flathead Ranges on the Flathead Approx. 0.2 to 1-inch of new snow water equivalent Much of Thursday's precip. fell as rain as temperatures warmed Thursday night All mountain locations appear to have received significant new precipitation falling in the form of snow or rain
Wind Loading	*	Winds have frequently been strong, generally blowing from the S, SW, to W Warm, moist conditions however, have generally kept wind transport of snow in check
Recent or Persistent Buried Weak Layer	***	 Concern with the buried surface hoar, buried melt-freeze ice crusts and buried graupel dominated layers All these weak layers when present continue to fail in shear tests Concern also remains with basal depth hoar found beneath shallow snow covers, especially where the ground is exposed rock
Spring Wet Snow or Melt-Freeze	**	 Not applicable currently with reestablished cloud cover Can occur rapidly however with even just short clearing periods following a new snowfall
Rain-on-Snow	***	Concern exists with free water movement imparting surface load and impacting buried weak layers
Loose Snow	**	 Mild temperatures generally promoting snow consolidation Rapid warming following new snowfall or rain-on-snow however, is likely to produce surface snow instability These slides may serve as triggers of deeper slab instability
Other Concerns		

Weather Forecast Current NWS Backcountry Forecast		
<u>Summary</u>	Moist Pacific flow is forecast to remain through the weekend	
Precipitation	Each new storm system has the potential to produce up to 12-inches of new snowfall	
Temperature	Temperatures expected to remain mild Daytime in the 30's F Nightime in the 20's F	
Wind	 Friday, SW, teens to low 2-'s MPH Saturday, W, low teens to single digits Sunday, NW, light, capable of transporting snow as temperatures cool 	

Avalanche Outle	ook	
Trend	Sunday and Monday we expect a gradual downturn in avalanche danger as conditions dry and cool	
Concern	 Friday and Saturday however the moist flow is expected to maintain current level of avalanche danger Current weather and snow conditions will eventually produce a more settled and strong snowpack 	
Comment	ALWAYS carry and know how to use your avalanche safety equipment Transceiver Probe Shovel	

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